

Alexei Ossadtchi

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,171
citations

516561

16
h-index

254106

43
g-index

68
all docs

68
docs citations

68
times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of Abel-transformable images: The Gaussian basis-set expansion Abel transform method. <i>Review of Scientific Instruments</i> , 2002, 73, 2634-2642.	0.6	827
2	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	3.7	188
3	Connectivity measures applied to human brain electrophysiological data. <i>Journal of Neuroscience Methods</i> , 2012, 207, 1-16.	1.3	183
4	Local linear estimators for the bioelectromagnetic inverse problem. <i>IEEE Transactions on Signal Processing</i> , 2005, 53, 3403-3412.	3.2	145
5	Automated interictal spike detection and source localization in magnetoencephalography using independent components analysis and spatio-temporal clustering. <i>Clinical Neurophysiology</i> , 2004, 115, 508-522.	0.7	96
6	Electrophysiological precursors of social conformity. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 756-763.	1.5	68
7	Decoding Movement From Electrographic Activity: A Review. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 74.	1.3	61
8	Source-space EEG neurofeedback links subjective experience with brain activity during effortless awareness meditation. <i>NeuroImage</i> , 2017, 151, 117-127.	2.1	57
9	High-Throughput Imaging of Brain Gene Expression. <i>Genome Research</i> , 2002, 12, 244-254.	2.4	49
10	Multiplex Three-Dimensional Brain Gene Expression Mapping in a Mouse Model of Parkinson's Disease. <i>Genome Research</i> , 2002, 12, 868-884.	2.4	47
11	Finding new candidate genes for learning and memory. <i>Journal of Neuroscience Research</i> , 2002, 68, 127-137.	1.3	38
12	Genes regulated by learning in the hippocampus. <i>Journal of Neuroscience Research</i> , 2003, 71, 763-768.	1.3	38
13	Automatic processing of unattended lexical information in visual oddball presentation: neurophysiological evidence. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 421.	1.0	27
14	Analysis of neuronal ensemble activity reveals the pitfalls and shortcomings of rotation dynamics. <i>Scientific Reports</i> , 2019, 9, 18978.	1.6	26
15	High-resolution voxelation mapping of human and rodent brain gene expression. <i>Journal of Neuroscience Methods</i> , 2003, 125, 93-101.	1.3	23
16	Gene expression tomography. <i>Physiological Genomics</i> , 2002, 8, 159-167.	1.0	21
17	Neurofeedback learning modifies the incidence rate of alpha spindles, but not their duration and amplitude. <i>Scientific Reports</i> , 2017, 7, 3772.	1.6	20
18	Phase shift invariant imaging of coherent sources (PSIICOS) from MEG data. <i>NeuroImage</i> , 2018, 183, 950-971.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Evolution of <sc>MEG</sc>: A first <sc>MEG</sc>â€feasible fluxgate magnetometer. Human Brain Mapping, 2021, 42, 4844-4856.	1.9	17
20	Short-delay neurofeedback facilitates training of the parietal alpha rhythm. Journal of Neural Engineering, 2020, 17, 066012.	1.8	17
21	Error-correcting microarray design. Genomics, 2003, 81, 157-165.	1.3	16
22	NFBLabâ€™A Versatile Software for Neurofeedback and Brain-Computer Interface Research. Frontiers in Neuroinformatics, 2018, 12, 100.	1.3	15
23	Inferring spatiotemporal network patterns from intracranial EEG data. Clinical Neurophysiology, 2010, 121, 823-835.	0.7	14
24	A dynamical model improves reconstruction of handwriting from multichannel electromyographic recordings. Frontiers in Neuroscience, 2015, 9, 389.	1.4	14
25	MEG Signatures of a Perceived Match or Mismatch between Individual and Group Opinions. Frontiers in Neuroscience, 2017, 11, 10.	1.4	13
26	Towards the Non-Zero Field Cesium Magnetic Sensor Array for Magnetoencephalography. IEEE Sensors Journal, 2021, 21, 18626-18632.	2.4	13
27	Decoding and interpreting cortical signals with a compact convolutional neural network. Journal of Neural Engineering, 2021, 18, 026019.	1.8	12
28	A P300 Brain-Computer Interface With a Reduced Visual Field. Frontiers in Neuroscience, 2020, 14, 604629.	1.4	11
29	Digital filters for low-latency quantification of brain rhythms in real time. Journal of Neural Engineering, 2020, 17, 046022.	1.8	11
30	Testing the efforts model of simultaneous interpreting: An ERP study. PLoS ONE, 2018, 13, e0206129.	1.1	10
31	Navigation Patterns and Scent Marking: Underappreciated Contributors to Hippocampal and Entorhinal Spatial Representations?. Frontiers in Behavioral Neuroscience, 2018, 12, 98.	1.0	9
32	Commentary: Spatial Olfactory Learning Contributes to Place Field Formation in the Hippocampus. Frontiers in Systems Neuroscience, 2018, 12, 8.	1.2	7
33	Modified covariance beamformer for solving MEG inverse problem in the environment with correlated sources. NeuroImage, 2021, 228, 117677.	2.1	7
34	Commentary: Injecting Instructions into Premotor Cortex. Frontiers in Cellular Neuroscience, 2018, 12, 65.	1.8	6
35	Cortical and autonomic responses during staged Taoist meditation: Two distinct meditation strategies. PLoS ONE, 2021, 16, e0260626.	1.1	6
36	GALA: group analysis leads to accuracy, a novel approach for solving the inverse problem in exploratory analysis of group MEG recordings. Frontiers in Neuroscience, 2015, 9, 107.	1.4	5

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37	Latent variable method for automatic adaptation to background states in motor imagery BCI. Journal of Neural Engineering, 2018, 15, 016004.	1.8	5
38	Statistical analysis of multiplex brain gene expression images. Neurochemical Research, 2002, 27, 1113-1121.	1.6	4
39	Mutual information spectrum for selection of event-related spatial components. Application to eloquent motor cortex mapping. Frontiers in Neuroinformatics, 2013, 7, 53.	1.3	4
40	Commentary: Functional Connectivity in the Left Dorsal Stream Facilitates Simultaneous Language Translation: An EEG Study. Frontiers in Human Neuroscience, 2017, 11, 64.	1.0	3
41	High resolution passive speech mapping in dominant hemisphere glioma surgery. Russian Journal of Neurosurgery, 2019, 21, 37-43.	0.1	3
42	Compact and interpretable architecture for speech decoding from stereotactic EEG. , 2021, , .		2
43	Bidirectional Neural Interfaces. , 2018, , 701-720.		1
44	Local Propagation of MEG Interictal Spikes: Source Reconstruction with Traveling Wave Priors. , 2021, , .		1
45	Detection of Instantaneous Functional Coupling from MEG Data by the Means of Projection in Sensor-Space Cross-Spectrum and Statistical Testing. , 2021, , .		1
46	Different central and autonomic nervous system coupling in the experienced meditators and novices during the Taoist meditation. , 2021, , .		1
47	Fast parametric curve matching (FPCM) for automatic spike detection. Journal of Neural Engineering, 2022, 19, 036003.	1.8	1
48	Non-target interference in MEG beamformer time series estimation. International Congress Series, 2007, 1300, 137-140.	0.2	0
49	Passive Intraoperative Language Mapping Using Electrographic Signals. Advances in Intelligent Systems and Computing, 2021, , 533-540.	0.5	0
50	Promising Versions of Non-Zero Magnetic Field Optical Sensors for Magnetoencephalography. International Journal of Psychophysiology, 2021, 168, S120.	0.5	0
51	Pro-active game-based neurofeedback training of parietal alpha rhythm. , 2021, , .		0
52	Exploration of Cortical Dynamics in the Center-Out with Stylus Paradigm. , 2021, , .		0
53	Exploring time interval estimation for familiar and unfamiliar musical pieces. , 2021, , .		0